	STATE OF UTAH  DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING  AMENDED REPORT DIVISION OF OIL, GAS AND MINING													
		AP	PLICATION I	FOR PE	ERMIT TO DRILL					1. WELL NAME and NUMBER GMBU Q-14-9-15				
2. TYPE O	F WORK	DRILL NEW WELL	REENTE	ER P&A W	VELL DEEPEN	WELL	)			3. FIELD OR WILDCAT  MONUMENT BUTTE				
4. TYPE O	F WELL	Oi	Well C	coalbed N	Methane Well: NO					5. UNIT or COMMUNIT	FIZATION GMBU (		ENT NAM	1E
6. NAME (	OF OPERATOR		NEWFIELD PR	ODUCTIO	ON COMPANY					7. OPERATOR PHONE	435 64	6-4825		
8. ADDRE	8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052									9. OPERATOR E-MAIL		ewfield.co	m	
	10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-66184  11. MINERAL OWNERSHIP FEDERAL INDIAN STATE FEE									12. SURFACE OWNERS	SHIP DIAN 🛑	STATE	F	EE (
13. NAME		OWNER (if box 12 =	: 'fee')							14. SURFACE OWNER	R PHONE	(if box 12	= 'fee')	
15. ADDR	ESS OF SURFA	CE OWNER (if box	12 = 'fee')							16. SURFACE OWNER	R E-MAIL	(if box 12	= 'fee')	
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')  18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS								19. SLANT						
YES (Submit Commingling Application) NO							2	VERTICAL DIF	RECTION	AL 📵 H	IORIZON	TAL 🔵		
20. LOC	ATION OF WELL			FOOT	TAGES QTR-QTR SECTION			ON	TOWNSHIP	R/	ANGE	ME	RIDIAN	
LOCATIO	N AT SURFACE		20	2061 FSL 1946 FWL			NESW	14		9.0 S	15	5.0 E		S
Top of U	Top of Uppermost Producing Zone 1619 FSL 18			1564 FWL	1	NESW	14		9.0 S	15	5.0 E		S	
At Total			11		1132 FWL	<u></u>	SWSW	14		9.0 S	5.0 E		S	
21. COUN	TY	DUCHESNE		22	2. DISTANCE TO NEA		<b>EASE LINE (F</b> 73	eet)		23. NUMBER OF ACRE		ILLING UN 0	IT	
					5. DISTANCE TO NEA Applied For Drilling	or Comp		POOL		26. PROPOSED DEPTI		TVD: 603	0	
27. ELEV	ATION - GROUN	6213		28	B. BOND NUMBER	WYB0	000493			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478				
0		0		344	Hole, Casing					01			V2.11	
String Surf	Hole Size	Casing Size 8.625	<b>Length</b> 0 - 300	Weigh 24.0			Max Mu 8.3			Cement Class G		Sacks 138	Yield 1.17	Weight 15.8
Prod	7.875	5.5	0 - 6174	15.5	5 J-55 LT8	&C	8.3	3	Pren	nium Lite High Strer	ngth	288	3.26	11.0
										50/50 Poz		363	1.24	14.3
					А	TTACH	IMENTS							
	VER	IFY THE FOLLOW	VING ARE A	TTACHE	ED IN ACCORDAN	ICE WIT	TH THE UT	AH OIL AND	O GAS	CONSERVATION G	ENERA	L RULES		
<b>w</b> w	ELL PLAT OR M	AP PREPARED BY L	ICENSED SUR	VEYOR O	OR ENGINEER		<b>№</b> сом	IPLETE DRILI	LING PI	LAN				
AF	FIDAVIT OF STA	TUS OF SURFACE	OWNER AGRE	EMENT (I	IF FEE SURFACE)		FORM	1 5. IF OPER	ATOR IS	S OTHER THAN THE LE	EASE OW	NER		
<b>I</b> ✓ DIF	RECTIONAL SUI	RVEY PLAN (IF DIRI	ECTIONALLY O	R HORIZ	ZONTALLY DRILLED	))	торо	OGRAPHICAL	MAP					
NAME M	andie Crozier				TITLE Regulatory	Tech			РНО	NE 435 646-4825				
SIGNATU	RE				<b>DATE</b> 07/16/201	2			ЕМА	IL mcrozier@newfield.c	com			
	BER ASSIGNED )1351576(	0000			APPROVAL				B	rmit Manager				
	Per													

# NEWFIELD PRODUCTION COMPANY GMBU Q-14-9-15 AT SURFACE: NE/SW SECTION 14, T9S R15E DUCHESNE COUNTY, UTAH

#### TEN POINT DRILLING PROGRAM

#### 1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

#### 2. <u>ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:</u>

 Uinta
 0' – 1490'

 Green River
 1490'

 Wasatch
 6145'

 Proposed TD
 6174'

#### 3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation (Oil) 1490' – 6145'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval Date Sampled Flow Rate Temperature

Hardness pH

Water Classification (State of Utah)

Dissolved Calcium (Ca) (mg/l)

Dissolved Iron (Fe) (ug/l)

Dissolved Sodium (Na) (mg/l)

Dissolved Carbonate (CO<sub>3</sub>) (mg/l)

Dissolved Bicarbonate (NaHCO<sub>3</sub>) (mg/l)

Dissolved Sulfate (SO<sub>4</sub>) (mg/l)

Dissolved Total Solids (TDS) (mg/l)

RECEIVED: July 16, 2012

#### 4. PROPOSED CASING PROGRAM

a. Casing Design: GMBU Q-14-9-15

Size	Interval		Maiaht	Grade	Coupling	Design Factors			
Size	Тор	Bottom	Weight	Grade	Coupling	Burst	Collapse	Tension	
Surface casing	0'	300'	24.0	J-55	STC	2,950	1,370	244,000	
8-5/8"	U	300		J-55	310	17.53	14.35	33.89	
Prod casing	0'	6 174	1 <i>E E</i>	J-55	LTC	4,810	4,040	217,000	
5-1/2"	U	6,174'	15.5			2.45	2.06	2.27	

#### Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg
Pore pressure at surface casing shoe = 8.33 ppg
Pore pressure at prod casing shoe = 8.33 ppg
Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. Cementing Design: GMBU Q-14-9-15

Job	Fill	Description	Sacks ft <sup>3</sup>	OH Excess*	Weight (ppg)	Yield (ft³/sk)	
Surface casing	300'	Class G w/ 2% CaCl	138	30%	15.8	1.17	
Currace easing	000	01000 0 W/ 270 0001	161	0070	10.0	,	
Prod casing	4.174'	Prem Lite II w/ 10% gel + 3%	288	30%	11.0	2.26	
Lead	4,174	KCI	940	30%	11.0	3.26	
Prod casing	2,000'	50/50 Poz w/ 2% gel + 3%	363	30%	14.3	1.24	
Tail	2,000	KCI	451	30%	14.3	1.24	

<sup>\*</sup>Actual volume pumped will be 15% over the caliper log

- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

#### 5. <u>MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL</u>:

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to Exhibit C for a diagram of BOP equipment that will be used on this well.

#### 6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

From surface to ±300 feet will be drilled with an air/mist system. The air rig is equipped with a 6 ½" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ±300 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

#### 7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

#### 8. <u>TESTING, LOGGING AND CORING PROGRAMS</u>:

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +-. A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

#### 9. <u>ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE</u>:

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated

bottomhole pressure will approximately equal total depth in feet multiplied by a  $0.433~\mathrm{psi/foot}$  gradient.

#### 10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

It is anticipated that the drilling operations will commence the fourth quarter of 2012, and take approximately seven (7) days from spud to rig release.

RECEIVED: July 16, 2012

#### T9S, R15E, S.L.B.&M. S89°07'58"W — 2651.60' (Meas.) S89°03'52"W - 2641.74' (Meas.) Brass Cap 1910 Proportion Brass (Not Set) Cap (Meas.) 2644. WELL LOCATION: °01'42"W 0-14-9-15 ELEV. EXIST. GRADED GROUND = 6213' Reestablished 1910 from Accessory Brass Cap (Pile of Stones) Top of Hole 1946 Center of Pattern 1317 278.63 1132 Bottom of Hole 1910 1910 Brass Cap Brass Cap 589°07'29"W - 2639.21' (Meas.) = SECTION CORNERS LOCATED Q-14-9-15 BASIS OF ELEV; Elevations are based on (Surface Location) NAD 83 an N.G.S. OPUS Correction. LOCATION: $LATITUDE = 40^{\circ} 01' 45.50''$ LAT. 40°04'09.56" LONG. 110°00'43.28" LONGITUDE = 110° 12' 06.77" (Tristate Aluminum Cap) Elev. 5281.57'

### NEWFIELD EXPLORATION COMPANY

WELL LOCATION, Q-14-9-15, LOCATED AS SHOWN IN THE NE 1/4 SW 1/4 OF SECTION 14, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, Q-14-9-15, LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 OF SECTION 14, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



#### NOTES:

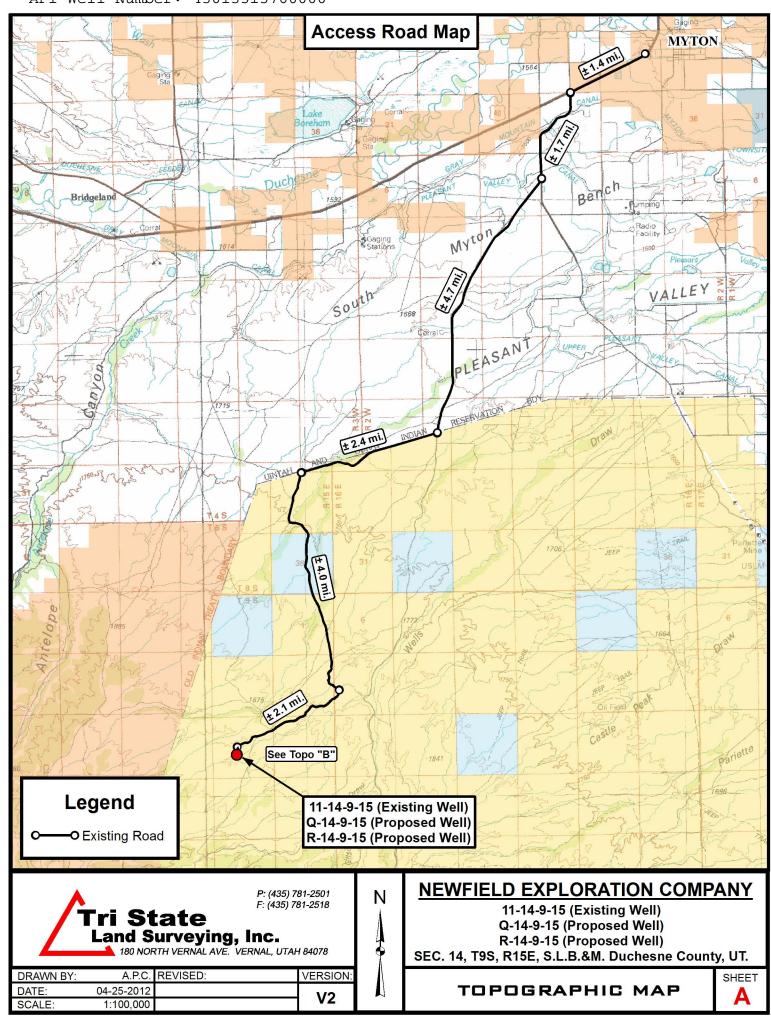
- 1. Well footages are measured at right angles to the Section Lines.
- 2. Bearings are based on Global Positioning Satellite observations.

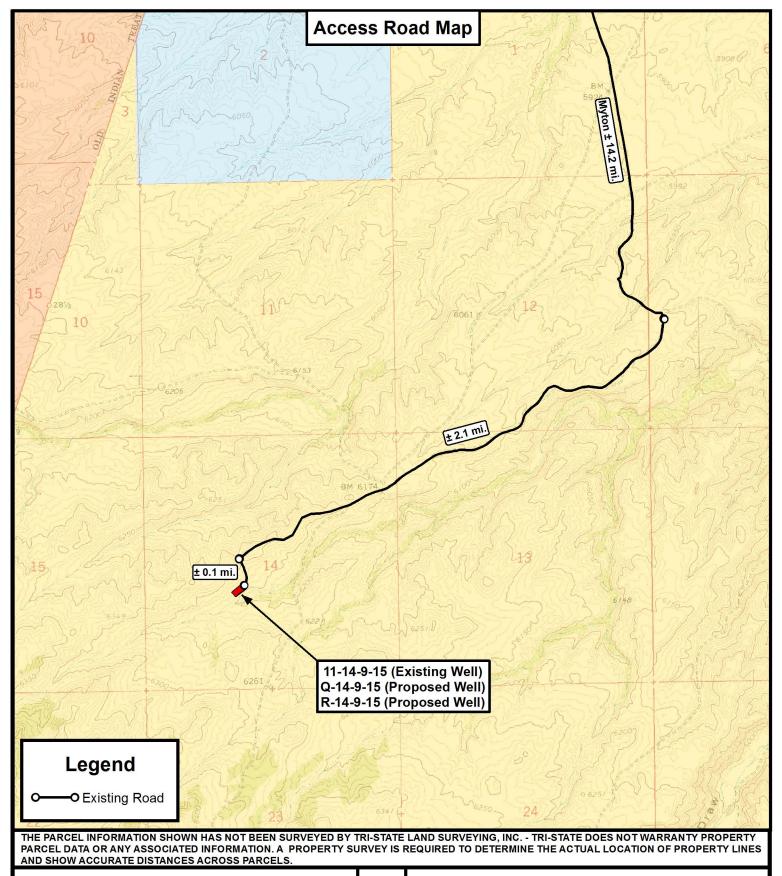


## TRI STATE LAND SURVEYING & CONSULTING

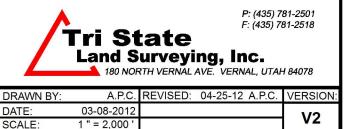
180 NORTH VERNAL AVE. – VERNAL, UTAH 84078 (435) 781–2501

DATE SURVEYED: 03-07-12	SURVEYED BY: S.H.	VERSION:
DATE DRAWN: 04-25-12	DRAWN BY: M.W.	\/0
REVISED:	SCALE: 1" = 1000'	V Z





Ν



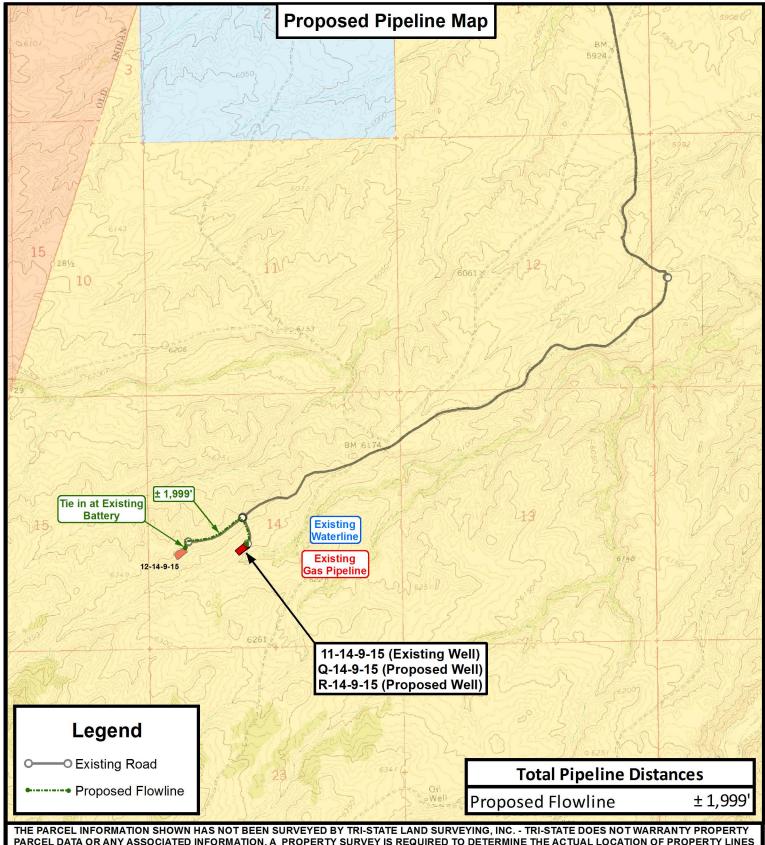
# **NEWFIELD EXPLORATION COMPANY**

11-14-9-15 (Existing Well)
Q-14-9-15 (Proposed Well)
R-14-9-15 (Proposed Well)
SEC. 14, T9S, R15E, S.L.B.&M. Duchesne County, UT.

S-

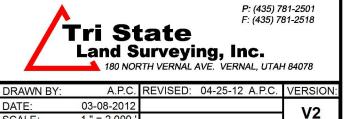






PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

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SCALE

1 " = 2,000

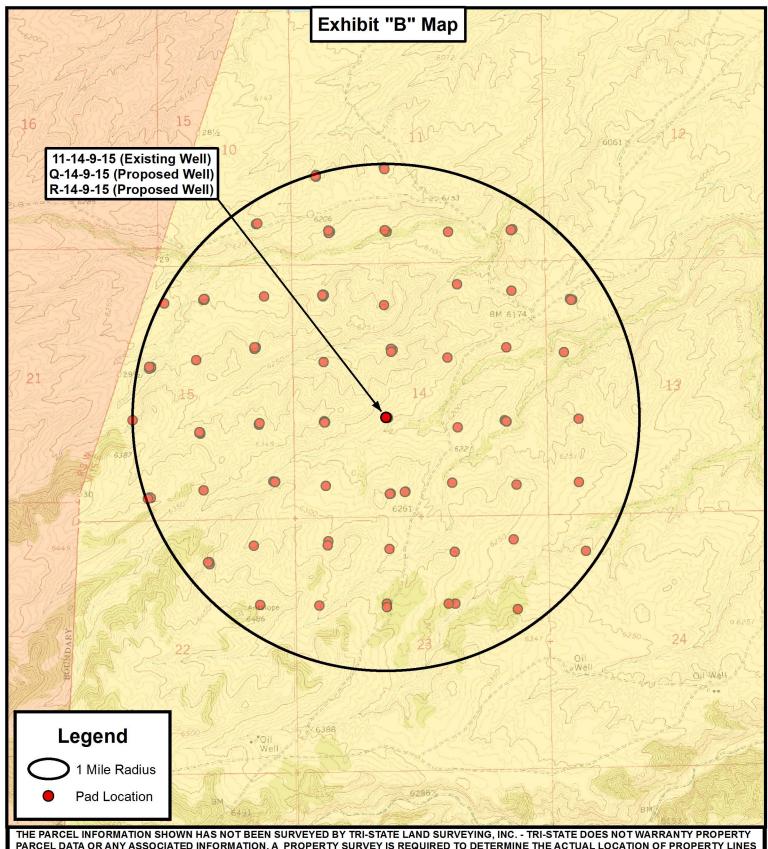
# **NEWFIELD EXPLORATION COMPANY**

11-14-9-15 (Existing Well) Q-14-9-15 (Proposed Well) R-14-9-15 (Proposed Well)

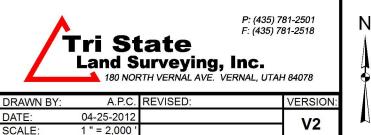
SEC. 14, T9S, R15E, S.L.B.&M. Duchesne County, UT.

TOPOGRAPHIC MAP





PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



# **NEWFIELD EXPLORATION COMPANY**

11-14-9-15 (Existing Well) Q-14-9-15 (Proposed Well) R-14-9-15 (Proposed Well) SEC. 14, T9S, R15E, S.L.B.&M. Duchesne County, UT.

TOPOGRAPHIC MAP





# **NEWFIELD EXPLORATION**

USGS Myton SW (UT) SECTION 14 T9S, R15E Q-14-9-15

Wellbore #1

Plan: Design #1

# **Standard Planning Report**

23 April, 2012





#### **Payzone Directional**

Planning Report



Database: EDM 2003.21 Single User Db Company: NEWFIELD EXPLORATION Project: USGS Myton SW (UT) Site: SECTION 14 T9S, R15E

 Well:
 Q-14-9-15

 Wellbore:
 Wellbore #1

 Design:
 Design #1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Q-14-9-15

Q-14-9-15 @ 6225.0ft (Original Well Elev) Q-14-9-15 @ 6225.0ft (Original Well Elev)

True

Minimum Curvature

Project USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA

Map System: US State Plane 1983
Geo Datum: North American Datum 1983

Map Zone: Utah Central Zone

System Datum:

Mean Sea Level

Site SECTION 14 T9S, R15E, SEC 14 T9S, R15E

7,182,599.00 ft Northing: 40° 1' 51.065 N Latitude: Site Position: Lat/Long Easting: 2,003,890.00 ft 110° 12' 6.777 W From: Longitude: **Position Uncertainty:** 0.0 ft Slot Radius: **Grid Convergence:** 0.83

Well Q-14-9-15, SHL LAT: 40 01 45.50 LONG: -110 12 06.77

 Well Position
 +N/-S
 -563.1 ft
 Northing:
 7,182,035.96 ft
 Latitude:
 40° 1′ 45.500 N

 +E/-W
 0.6 ft
 Easting:
 2,003,898.74 ft
 Longitude:
 110° 12′ 6.770 W

Position Uncertainty 0.0 ft Wellhead Elevation: 6,225.0 ft Ground Level: 6,213.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	4/23/2012	11.26	65.73	52,152

Design	Design #1					
Audit Notes:						
Version:		Phase:	PROTOTYPE	Tie On Depth:	0.0	
Vertical Section:		Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
		4,900.0	0.0	0.0	220.88	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,523.4	13.85	220.88	1,514.4	-84.0	-72.7	1.50	1.50	0.00	220.88	
5,010.4	13.85	220.88	4,900.0	-715.1	-619.0	0.00	0.00	0.00	0.00	Q-14-9-15 TGT
6,174.2	13.85	220.88	6,030.0	-925.8	-801.4	0.00	0.00	0.00	0.00	

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Wellbore:

#### **Payzone Directional**

Planning Report



Database: EDM 2003.21 Single User Db Company: NEWFIELD EXPLORATION Project: USGS Myton SW (UT) Site: SECTION 14 T9S, R15E Well: Q-14-9-15

Q-14-9-15 Wellbore #1 Design #1 Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Q-14-9-15

Q-14-9-15 @ 6225.0ft (Original Well Elev) Q-14-9-15 @ 6225.0ft (Original Well Elev)

True

Minimum Curvature

weilbore: Design:	Design #1								
Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	220.88	700.0	-1.0	-0.9	1.3	1.50	1.50	0.00
800.0	3.00	220.88	799.9	-4.0	-3.4	5.2	1.50	1.50	0.00
900.0	4.50	220.88	899.7	-8.9	-7.7	11.8	1.50	1.50	0.00
1,000.0	6.00	220.88	999.3	-15.8	-13.7	20.9	1.50	1.50	0.00
1,100.0	7.50	220.88	1,098.6	-24.7	-21.4	32.7	1.50	1.50	0.00
1,200.0	9.00	220.88	1,197.5	-35.6	-30.8	47.0	1.50	1.50	0.00
1,300.0	10.50	220.88	1,296.1	-48.4	-41.9	64.0	1.50	1.50	0.00
1,400.0	12.00	220.88	1,394.2	-63.1	-54.6	83.5	1.50	1.50	0.00
1,500.0	13.50	220.88	1,491.7	-79.8	-69.1	105.5	1.50	1.50	0.00
1,523.4	13.85	220.88	1,514.4	-84.0	-72.7	111.1	1.50	1.50	0.00
1,600.0	13.85	220.88	1,588.8	-97.8	-84.7	129.4	0.00	0.00	0.00
1,700.0	13.85	220.88	1,685.9	-115.9	-100.4	153.3	0.00	0.00	0.00
1,800.0	13.85	220.88	1,783.0	-134.0	-116.0	177.3	0.00	0.00	0.00
1,900.0	13.85	220.88	1,880.1	-152.1	-131.7	201.2	0.00	0.00	0.00
2,000.0	13.85	220.88	1,977.2	-170.2	-147.4	225.2	0.00	0.00	0.00
2,100.0	13.85	220.88	2,074.3	-188.3	-163.0	249.1	0.00	0.00	0.00
2,200.0	13.85	220.88	2,171.4	-206.4	-178.7	273.0	0.00	0.00	0.00
2,300.0	13.85	220.88	2,268.4	-224.5	-194.4	297.0	0.00	0.00	0.00
2,400.0 2,500.0	13.85 13.85	220.88 220.88	2,365.5 2,462.6	-242.6 -260.7	-210.0 -225.7	320.9 344.9	0.00 0.00	0.00 0.00	0.00 0.00
2,600.0	13.85	220.88	2,559.7	-200.7 -278.8	-225. <i>1</i> -241.4	368.8	0.00	0.00	0.00
2,700.0	13.85	220.88	2,656.8	-270.0	-257.0	392.7	0.00	0.00	0.00
2,800.0	13.85	220.88	2,753.9	-315.1	-272.7	416.7	0.00	0.00	0.00
2,900.0	13.85	220.88	2,851.0	-333.2	-288.4	440.6	0.00	0.00	0.00
3,000.0 3,100.0	13.85 13.85	220.88 220.88	2,948.1 3,045.2	-351.3 -369.4	-304.0 -319.7	464.6 488.5	0.00 0.00	0.00 0.00	0.00 0.00
3,200.0	13.85	220.88	3,142.3	-387.5	-335.4	512.4	0.00	0.00	0.00
3,300.0	13.85	220.88	3,239.4	-405.6	-351.1	536.4	0.00	0.00	0.00
3,400.0	13.85	220.88	3,336.5	-423.7	-366.7	560.3	0.00	0.00	0.00
3,500.0	13.85	220.88	3,433.6	-441.8	-382.4	584.3	0.00	0.00	0.00
3,600.0	13.85	220.88	3,530.6	-459.9	-398.1	608.2	0.00	0.00	0.00
3,700.0 3,800.0	13.85 13.85	220.88 220.88	3,627.7 3,724.8	-478.0 -496.1	-413.7 -429.4	632.1 656.1	0.00 0.00	0.00 0.00	0.00 0.00
3,900.0	13.85	220.88	3,821.9	-514.2	-445.1	680.0	0.00	0.00	0.00
4,000.0	13.85	220.88	3,919.0	-532.3	-460.7	704.0	0.00	0.00	0.00
4,100.0	13.85	220.88	4,016.1	-550.4	-476.4	727.9	0.00	0.00	0.00
4,200.0	13.85	220.88	4,113.2	-568.5	-492.1	751.8	0.00	0.00	0.00
4,300.0	13.85	220.88	4,210.3	-586.6	-507.7	775.8	0.00	0.00	0.00
4,400.0	13.85	220.88	4,307.4	-604.7	-523.4	799.7	0.00	0.00	0.00
4,500.0	13.85	220.88	4,404.5	-622.8	-539.1	823.7	0.00	0.00	0.00
4,600.0	13.85	220.88	4,501.6	-640.9	-554.7	847.6	0.00	0.00	0.00
4,700.0	13.85	220.88	4,598.7	-659.0	-570.4	871.5	0.00	0.00	0.00
4,800.0	13.85	220.88	4,695.8	-677.1	-586.1	895.5	0.00	0.00	0.00
4,900.0	13.85	220.88	4,792.8	-695.2	-601.7	919.4	0.00	0.00	0.00
5,000.0	13.85	220.88	4,889.9	-713.3	-617.4	943.4	0.00	0.00	0.00
5,010.4	13.85	220.88	4,900.0	-715.1	-619.0	945.8	0.00	0.00	0.00
5,100.0	13.85	220.88	4,987.0	-731.4	-633.1	967.3	0.00	0.00	0.00



#### **Payzone Directional**

Planning Report



Database: Company: Project: Site: EDM 2003.21 Single User Db NEWFIELD EXPLORATION USGS Myton SW (UT) SECTION 14 T9S, R15E

 Well:
 Q-14-9-15

 Wellbore:
 Wellbore #1

 Design:
 Design #1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Q-14-9-15

Q-14-9-15 @ 6225.0ft (Original Well Elev) Q-14-9-15 @ 6225.0ft (Original Well Elev)

True

Minimum Curvature

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,200.0	13.85	220.88	5,084.1	-749.5	-648.7	991.2	0.00	0.00	0.00
5,300.0	13.85	220.88	5,181.2	-767.6	-664.4	1,015.2	0.00	0.00	0.00
5,400.0	13.85	220.88	5,278.3	-785.7	-680.1	1,039.1	0.00	0.00	0.00
5,500.0	13.85	220.88	5,375.4	-803.8	-695.8	1,063.1	0.00	0.00	0.00
5,600.0	13.85	220.88	5,472.5	-821.9	-711.4	1,087.0	0.00	0.00	0.00
5,700.0	13.85	220.88	5,569.6	-840.0	-727.1	1,110.9	0.00	0.00	0.00
5,800.0	13.85	220.88	5,666.7	-858.1	-742.8	1,134.9	0.00	0.00	0.00
5,900.0	13.85	220.88	5,763.8	-876.2	-758.4	1,158.8	0.00	0.00	0.00
6,000.0	13.85	220.88	5,860.9	-894.3	-774.1	1,182.8	0.00	0.00	0.00
6,100.0	13.85	220.88	5,957.9	-912.4	-789.8	1,206.7	0.00	0.00	0.00
6,174.2	13.85	220.88	6,030.0	-925.8	-801.4	1,224.5	0.00	0.00	0.00

RECEIVED: July 16, 2012

API Well Number: 43013515760000
Project: USGS Myton SW (UT)



Site: SECTION 14 T9S, R15E

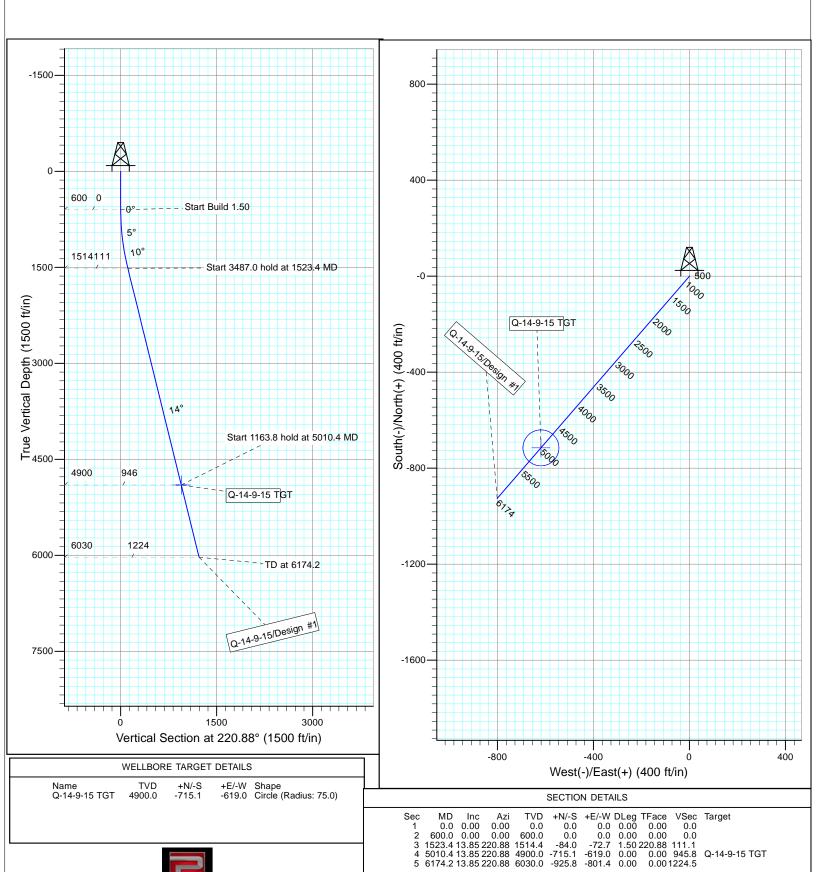
Well: Q-14-9-15 Wellbore: Wellbore #1 Design: Design #1



Azimuths to True North Magnetic North: 11.26° Magnetic Field

Strength: 52151.9snT Dip Angle: 65.73° Date: 4/23/2012 Model: IGRF2010

KOP @ 600' DOGLEG RATE 1.5 DEG/100 TARGET RADIUS IS 75'





# NEWFIELD PRODUCTION COMPANY GMBU Q-14-9-15 AT SURFACE: NE/SW SECTION 14, T9S R15E DUCHESNE COUNTY, UTAH

#### ONSHORE ORDER NO. 1

#### <u>MULTI-POINT SURFACE USE & OPERATIONS PLAN</u>

#### 1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU R-14-9-15 located in the NE 1/4 SW 1/4 Section 14, T9S, R15E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40-1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed in a southwesterly direction -8.8 miles  $\pm$  to it's junction with an existing road to the south; proceed in a southerly direction -4.0 miles  $\pm$  to it's junction with an existing road to the southwest; proceed in a southwesterly direction -2.1 miles  $\pm$  to it's junction with an existing road to the south; proceed in a southerly direction -0.1 miles  $\pm$  to the existing 11-14-9-15 well location.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

#### 2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionaly off of the existing 11-14-9-15 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

#### 3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

#### 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

#### 5. LOCATION AND TYPE OF WATER SUPPLY

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District Water Right: 43-10136

Maurice Harvey Pond Water Right: 47-1358

Neil Moon Pond Water Right: 43-11787

Newfield Collector Well

Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy

District).

There will be no water well drilled at this site.

#### 6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

#### 7. METHODS FOR HANDLING WASTE DISPOSAL

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

#### 8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

#### 9. WELL SITE LAYOUT

See attached Location Layout Sheet.

#### **Fencing Requirements**

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

#### 10. PLANS FOR RESTORATION OF SURFACE:

#### a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

#### b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

#### 11. <u>SURFACE OWNERSHIP</u> – Buruea of Land Management.

#### 12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. State of Utah Antiquities Project Permit #U-02-MQ-0235b 5/23/02, prepared by Montgomery Archaeological

Consultants. Paleontological Resource Survey prepared by, Wade E. Miller, 6/7/03. See attached report cover pages, Exhibit "D".

#### **Surface Flow Line**

Newfield requests 1,999' of surface flow line be granted. The Surface Flow Line will consist of up to a 14" bundled pipe consisting of 2-2" poly glycol lines and 1-3" production line. **Refer to Topographic Map "C"** for the proposed location of the proposed flow line. Flow lines will be tan and will be constructed using the following procedures as outlined in the Greater Monument Butte Green River Development SOP.

#### Water Disposal

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

#### **Additional Surface Stipulations**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

#### **Details of the On-Site Inspection**

The proposed GMBU Q-14-9-15 was on-sited on 5/18/12. The following were present; Corie Miller (Newfield Production), Janna Simonsen (Bureau of Land Management), and Dave Gordon (Bureau of Land Management).

#### **Hazardous Material Declaration**

Newfield Production Company guarantees that during the drilling and completion of the GMBU Q-14-9-15, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU Q-14-9-15, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

#### 13. <u>LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:</u>

#### Representative

Name: Corie Miller

Address: Newfield Production Company

Route 3, Box 3630 Myton, UT 84052

Telephone: (435) 646-3721

#### Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #Q-14-9-15, Section 14, Township 9S, Range 15E: Lease UTU-66184 Duchesne County, Utah: and is

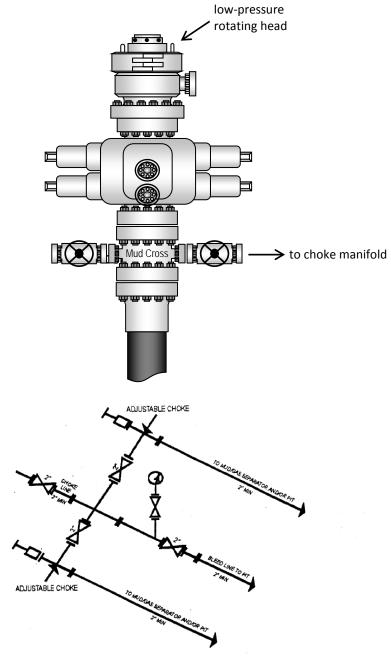
RECEIVED: July 16, 2012

responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

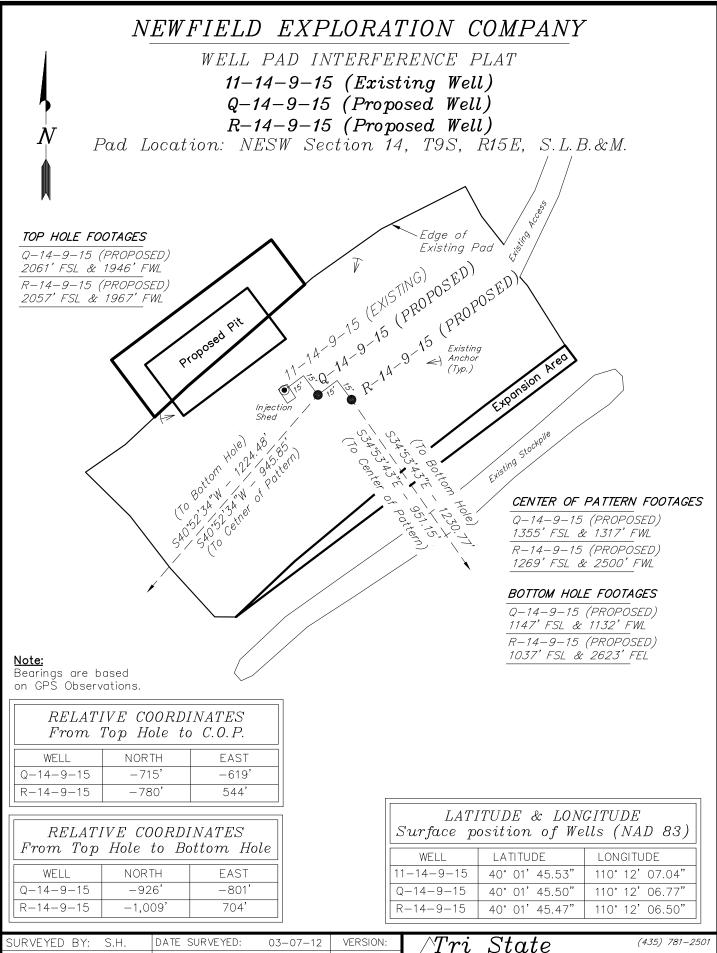
I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

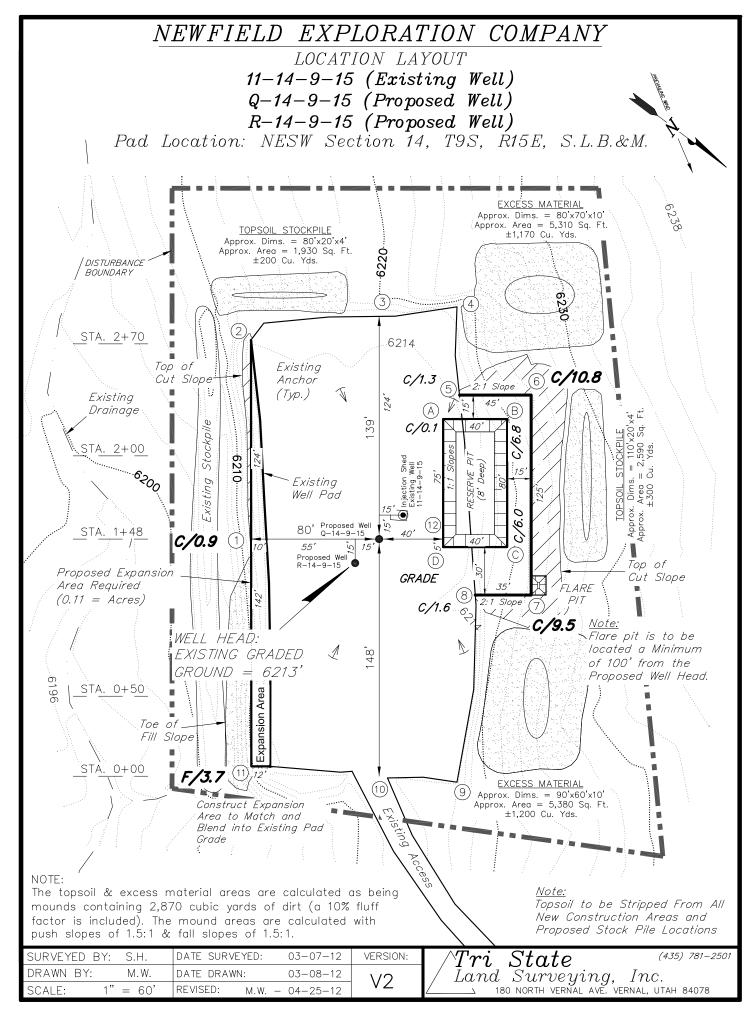
7/1212	
Date	Mandie Crozier
	Regulatory Analyst
	Newfield Production Company

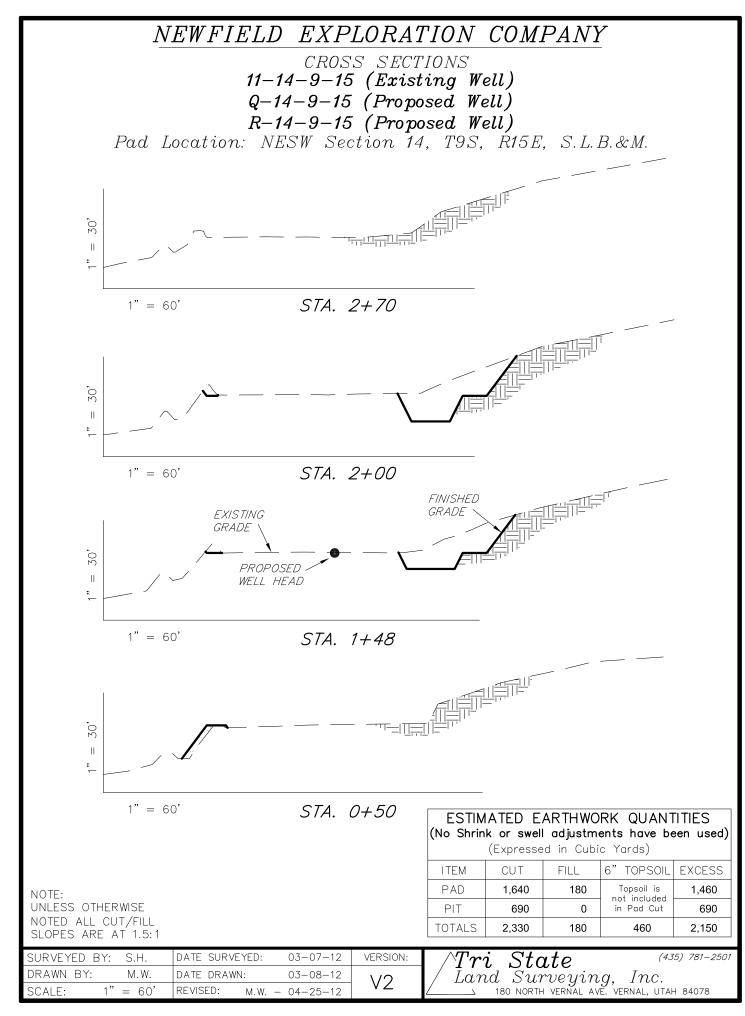
**Typical 2M BOP stack configuration** 

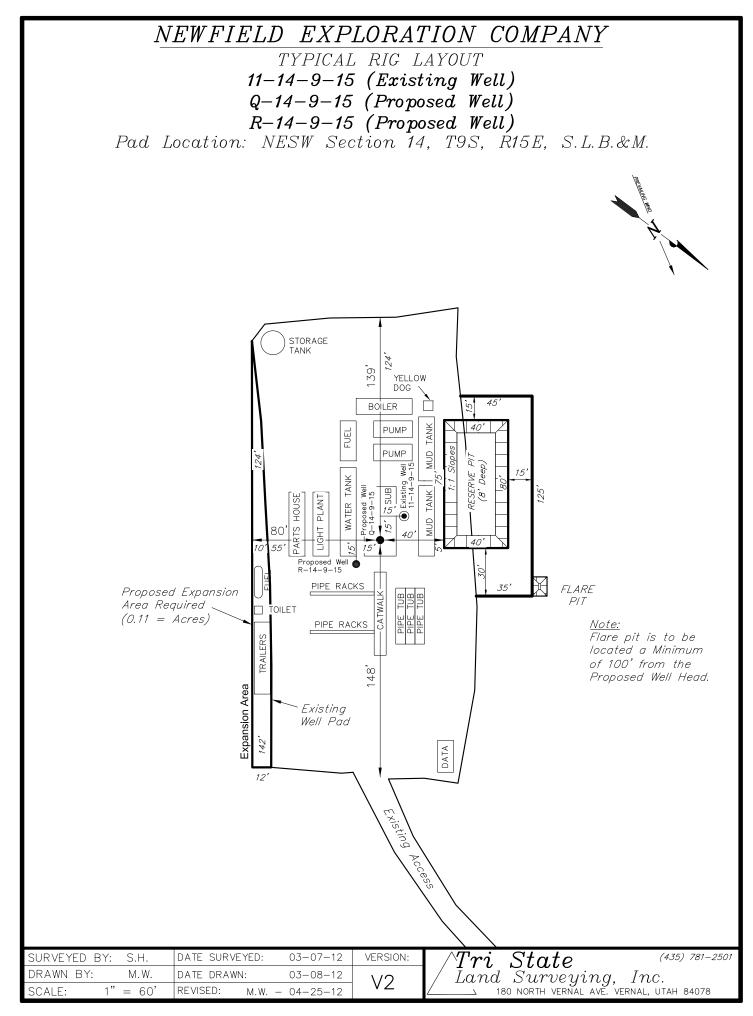


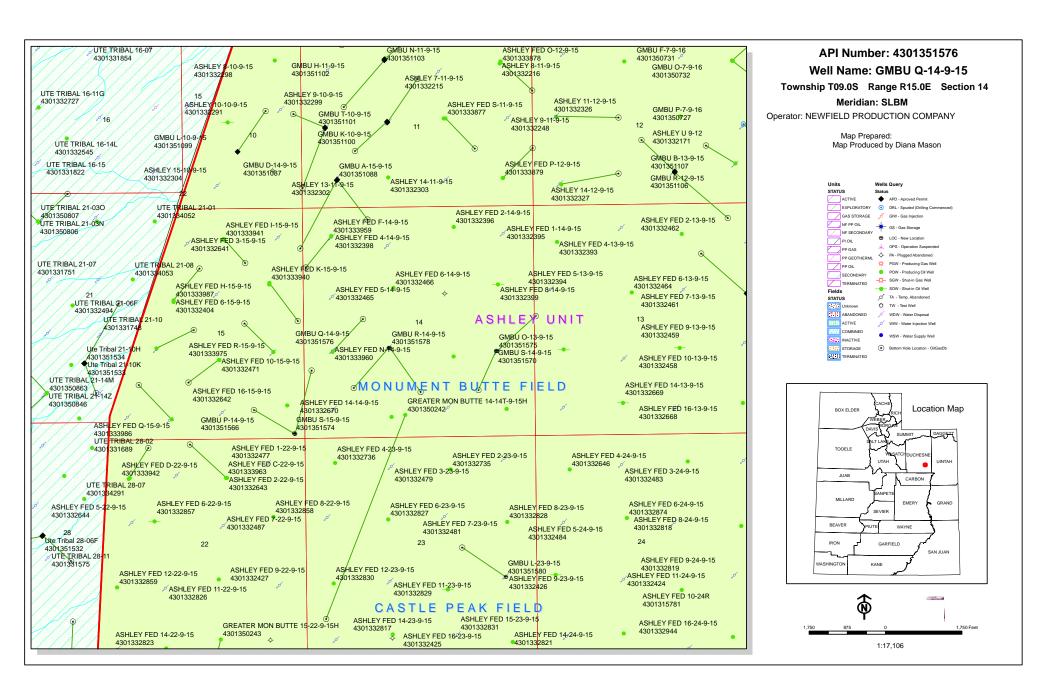
2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY













#### VIA ELECTRONIC DELIVERY

July 23, 2012

State of Utah, Division of Oil, Gas and Mining ATTN: Diana Mason P.O. Box 145801 Salt Lake City, UT 84114-5801

RE: Directional Drilling

GMBU Q-14-9-15

Greater Monument Butte (Green River) Unit

Surface Hole: T9S-R15E Section 14: NESW (UTU-66184)

2061' FSL 1946' FWL

At Target: T9S-R15E Section 14: SWSW (UTU-68548)

1147' FSL 1132' FWL

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 7/19/2012, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing preexiting roads and pipelines.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4121 or by email at <a href="mailto:lburget@newfield.com">lburget@newfield.com</a>. Your consideration in this matter is greatly appreciated.

Sincerely,

**Newfield Production Company** 

Leslie Burget
Land Associate

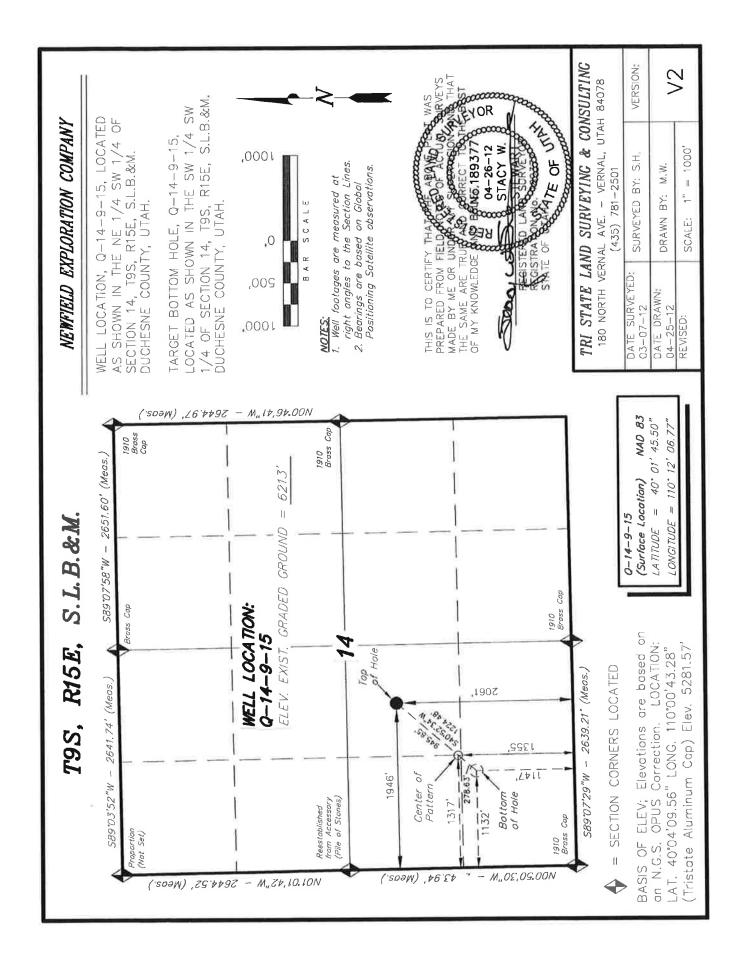
Form 3160-3 (August 2007)  UNITED ST  DEPARTMENT OF T BUREAU OF LAND M		FORM APPROVED OMB No. 1004-0136 Expires July 31, 2010  5. Lease Serial No. UTU66184  6. If Indian, Allottee or Tribe Name				
APPLICATION FOR PERMIT 1	O DRILL OR REI	ENTER				
Ia. Type of Work: ☑ DRILL ☐ REENTER			7. If Unit or CA Agreement, Name and No. GREATER MONUMENT			
1b. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Oth	er 🛮 Singl	e Zone 🔲 Multiple Zone	8. Lease Name and Well No. GMBU Q-14-9-15			
	MANDIE CROZIER		9. API Well No.			
3a. Address ROUTE #3 BOX 3630 MYTON, UT 84052	10. Field and Pool, or Explora MONUMENT BUTTE	atory				
4. Location of Well (Report location clearly and in accordance	ements.*)	11. Sec., T., R., M., or Blk. ar	nd Survey or Area			
At surface NESW 2061FSL 1946FWL			Sec 14 T9S R15E Me	r SLB		
At proposed prod. zone SWSW 1147FSL 1132FWL						
14. Distance in miles and direction from nearest town or post of 16.4	office*		12. County or Parish DUCHESNE	13. State UT		
15. Distance from proposed location to nearest property or	16. No. of Acres in Le	ease	17. Spacing Unit dedicated to	this well		
lease line, ft. (Also to nearest drig. unit line, if any) 173'	1360.50		20.00	-		
18. Distance from proposed location to nearest well, drilling,	19. Proposed Depth		20. BLM/BIA Bond No. on fi	ile		
completed, applied for, on this lease, ft. 956'	6174 MD 6030 TVD		WYB000493			
21. Elevations (Show whether DF, KB, RT, GL, etc. 6213 GL	22. Approximate date 10/31/2012	work will start	23. Estimated duration 7 DAYS			
	24. Atta	achments				
<ol> <li>The following, completed in accordance with the requirements of</li> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on National Forest Syst SUPO shall be filed with the appropriate Forest Service Off</li> </ol>	em Lands, the	Bond to cover the operatio     Item 20 above).  Operator certification	nis form:  ns unless covered by an existing  ormation and/or plans as may be			
25. Signature (Electronic Submission)	Name (Printed/Typed) MANDIE CROZ	IER Ph: 435-646-4825		Date 07/19/2012		
Title REGULATORY ANALYST						
Approved by (Signature)	Name (Printed/Typed)  Date					
Title	Office					
Application approval does not warrant or certify the applicant hoperations thereon. Conditions of approval, if any, are attached.	olds legal or equitable titl	e to those rights in the subject le	ase which would entitle the app	licant to conduct		
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, States any false, fictitious or fraudulent statements or representations.	make it a crime for any p tions as to any matter wit	erson knowingly and willfully to thin its jurisdiction.	make to any department or age	ency of the United		

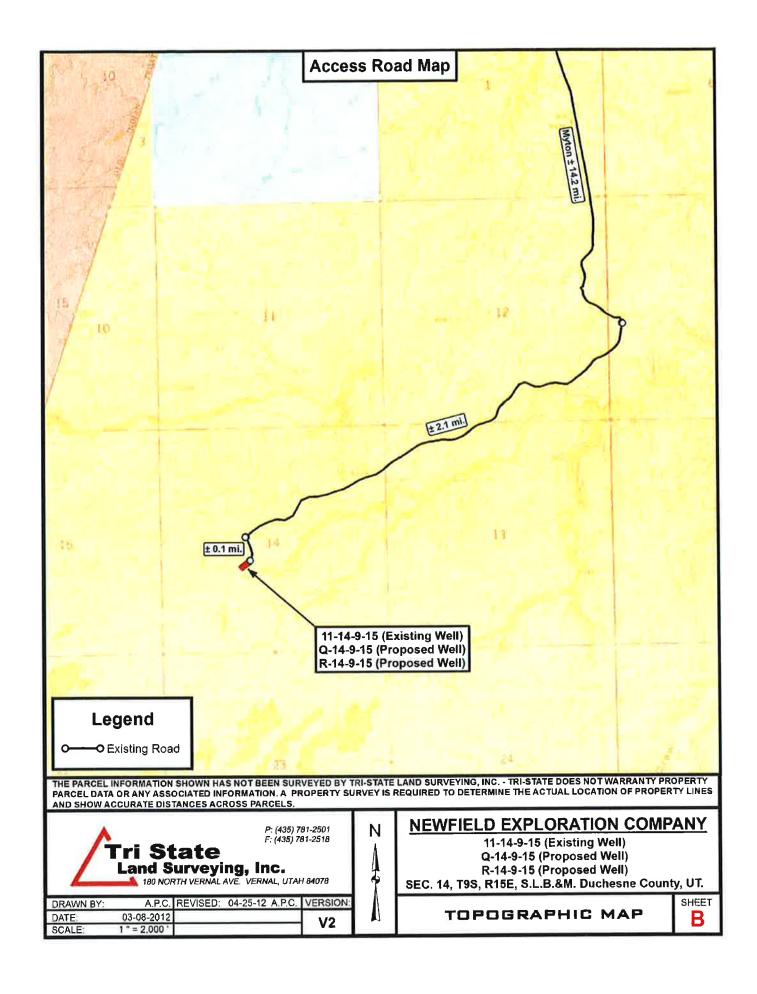
Additional Operator Remarks (see next page)

Electronic Submission #143465 verified by the BLM Well Information System For NEWFIELD PRODUCTION COMPANY, sent to the Vernal

# **Additional Operator Remarks:**

SURFACE LEASE: UTU-66184 BOTTOM HOLE LEASE: UTU-68548





# **United States Department of the Interior**

#### BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

July 31, 2012

Memorandum

Assistant District Manager Minerals, Vernal District To:

From: Michael Coulthard, Petroleum Engineer

2012 Plan of Development Greater Monument

Butte Unit, Duchesne and Uintah Counties,

Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2012 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API # WELL NAME LOCATION

(Proposed PZ GREEN RIVER)

43-013-51563 GMBU H-8-9-16 Sec 08 T09S R16E 2023 FNL 2183 FEL BHL Sec 08 T09S R16E 1169 FNL 2473 FWL

43-013-51564 GMBU H-20-9-16 Sec 20 T09S R16E 2110 FNL 1934 FEL

BHL Sec 20 T09S R16E 1152 FNL 2457 FWL

43-013-51565 GMBU R-8-9-16 Sec 08 T09S R16E 0710 FSL 1908 FEL BHL Sec 08 T09S R16E 1512 FSL 2314 FWL

43-013-51566 GMBU P-14-9-15 Sec 15 T09S R15E 0763 FSL 0423 FEL BHL Sec 14 T09S R15E 1561 FSL 0172 FWL

43-013-51567 GMBU M-18-9-16 Sec 18 T09S R16E 2014 FSL 1914 FEL

BHL Sec 18 T09S R16E 2424 FNL 2307 FWL

43-013-51568 GMBU J-20-9-16 Sec 21 T09S R16E 2041 FNL 0553 FWL

BHL Sec 20 T09S R16E 1154 FNL 0095 FEL

43-013-51569 GMBU G-21-9-16 Sec 21 T09S R16E 2062 FNL 0557 FWL BHL Sec 21 T09S R16E 1276 FNL 1556 FWL

43-013-51570 GMBU S-14-9-15 Sec 14 T09S R15E 1963 FSL 0882 FEL

BHL Sec 14 T09S R15E 1068 FSL 1301 FEL

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API # WELL NAME LOCATION

(Proposed PZ GREEN RIVER)

- 43-013-51571 GMBU I-18-9-16 Sec 18 T09S R16E 1936 FNL 1914 FEL BHL Sec 18 T09S R16E 1062 FNL 0820 FEL
- 43-013-51572 GMBU L-18-9-16 Sec 18 T09S R16E 1955 FNL 1924 FEL
- BHL Sec 18 T09S R16E 2485 FNL 0972 FEL
- 43-013-51573 GMBU H-17-9-16 Sec 17 T09S R16E 1944 FNL 2044 FWL
  - BHL Sec 17 T09S R16E 0993 FNL 2432 FEL
- 43-013-51574 GMBU S-15-9-15 Sec 15 T09S R15E 0768 FSL 0444 FEL BHL Sec 15 T09S R15E 1317 FSL 1367 FEL
- DIII 500 13 1050 K15E 1317 15E 1507 1EE
- 43-013-51575 GMBU 0-13-9-15 Sec 14 T09S R15E 1952 FSL 0864 FEL BHL Sec 13 T09S R15E 2537 FNL 0036 FWL
- $43-013-51576 \ \text{GMBU Q-}14-9-15 \qquad \text{Sec } 14 \ \text{T09S R15E } 2061 \ \text{FSL } 1946 \ \text{FWL}$ 
  - BHL Sec 14 T09S R15E 1147 FSL 1132 FWL
- 43-013-51577 GMBU L-20-9-16 Sec 20 T09S R16E 2117 FNL 1914 FEL
  - BHL Sec 20 T09S R16E 2522 FSL 1123 FEL
- 43-013-51578 GMBU R-14-9-15 Sec 14 T09S R15E 2057 FSL 1967 FWL
  - BHL Sec 14 T09S R15E 1037 FSL 2623 FEL
- 43-013-51579 GMBU W-16-9-16 Sec 21 T09S R16E 0726 FNL 1924 FWL BHL Sec 16 T09S R16E 0353 FSL 2559 FWL
- 43-013-51580 GMBU L-23-9-15 Sec 23 T09S R15E 2041 FSL 0713 FEL
  - BHL Sec 23 T09S R15E 2545 FNL 1706 FEL
- 43-013-51581 GMBU N-17-9-16 Sec 17 T09S R16E 1965 FNL 2048 FWL
  - BHL Sec 17 T09S R16E 2306 FSL 1008 FWL
- 43-013-51582 GMBU H-21-9-16 Sec 21 T09S R16E 0726 FNL 1945 FWL BHL Sec 21 T09S R16E 1505 FNL 2434 FEL
- 43-013-51587 GMBU J-17-9-16 Sec 16 T09S R16E 2100 FNL 0750 FWL BHL Sec 17 T09S R16E 0988 FNL 0237 FEL
- 43-013-51588 GMBU J-17-9-16 Sec 16 T09S R16E 2100 FNL 0750 FWL BHL Sec 17 T09S R16E 0988 FNL 0237 FEL
- 43-013-51589 GMBU C-17-9-16 Sec 08 T09S R16E 0704 FSL 1929 FEL BHL Sec 17 T09S R16E 0329 FNL 2480 FWL
- 43-013-51590 GMBU P-24-9-15 Sec 23 T09S R15E 2038 FSL 0692 FEL BHL Sec 24 T09S R15E 1073 FSL 0180 FWL

Page 2

Page 3

Please be advised that the GMBU J-17-9-16 has erroneously been entered twice into the UDOGM system under API Number 43-013-51587 and 43-013-51588.

This office has no objection to permitting the wells at this time.

Michael L. Coulthard Objectally signed by Michael L. Coulthard Objectall

bcc: File - Greater Monument Butte Unit
 Division of Oil Gas and Mining

Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:7-31-12

# WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED:	7/16/2012	API NO. ASSIGNED:	43013515760000

WELL NAME: GMBU Q-14-9-15

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695) PHONE NUMBER: 435 646-4825

**CONTACT:** Mandie Crozier

PROPOSED LOCATION: NESW 14 090S 150E Permit Tech Review:

SURFACE: 2061 FSL 1946 FWL Engineering Review:

BOTTOM: 1147 FSL 1132 FWL Geology Review: 

✓

COUNTY: DUCHESNE

LATITUDE: 40.02929 LONGITUDE: -110.20193

**UTM SURF EASTINGS:** 568094.00 **NORTHINGS:** 4431313.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 1 - Federal

**LEASE NUMBER:** UTU-66184 **PROPOSED PRODUCING FORMATION(S):** GREEN RIVER

SURFACE OWNER: 1 - Federal COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

✓ PLAT

✓ R649-2-3.

✓ Bond: FEDERAL - WYB000493

✓ Unit: GMBU (GRRV)

✓ Potash

✓ Oil Shale 190-5

✓ Oil Shale 190-3

✓ Drilling Unit

Water Permit: 437478 Board Cause No: Cause 213-11

RDCC Review: Effective Date: 11/30/2009

Fee Surface Agreement Siting: Suspends General Siting

Intent to Commingle R649-3-11. Directional Drill

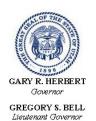
Commingling Approved

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason

15 - Directional - dmason

27 - Other - bhill



# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

## Permit To Drill

\*\*\*\*\*\*

**Well Name:** GMBU Q-14-9-15 **API Well Number:** 43013515760000

Lease Number: UTU-66184 Surface Owner: FEDERAL Approval Date: 8/2/2012

#### Issued to:

NEWFIELD PRODUCTION COMPANY, Rt 3 Box 3630, Myton, UT 84052

#### Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

#### **Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

#### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

## Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

#### **Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available) OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at http://oilgas.ogm.utah.gov

#### Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
  - Requests to Change Plans (Form 9) due prior to implementation
  - Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
  - Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:

For John Rogers Associate Director, Oil & Gas

# BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross #29 Submitted By Branden Arnold Phone Number 435-401-0223 Well Name/Number GMBU Q-14-9-15 Qtr/Qtr NE/SW Section 14 Township 9S Range 15E Lease Serial Number UTU66184 API Number 43-013-51576  Spud Notice — Spud is the initial spudding of the well, not drilling out below a casing string.
Date/Time <u>4/10/2013</u> <u>1:00</u> AM ☐ PM ⊠
Casing — Please report time casing run starts, not cementing times.  Surface Casing Intermediate Casing Production Casing Liner Other
Date/Time <u>4/11/2013</u> 8:00 AM M PM
BOPE Initial BOPE test at surface casing point BOPE test at intermediate casing point 30 day BOPE test Other
Date/Time AM PM D
Remarks

	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCE		FORM 9				
	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-66184						
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:						
	oposals to drill new wells, significantly d reenter plugged wells, or to drill horizon n for such proposals.		7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)				
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: GMBU Q-14-9-15				
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	DMPANY		9. API NUMBER: 43013515760000				
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT		PHONE NUMBER: Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2061 FSL 1946 FWL			COUNTY: DUCHESNE				
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 14 Township: 09.0S Range: 15.0E Meridia	an: S	STATE: UTAH				
11. CHEC	K APPROPRIATE BOXES TO INDICATE	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA				
TYPE OF SUBMISSION		TYPE OF ACTION					
	ACIDIZE [	ALTER CASING	CASING REPAIR				
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME				
 	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE				
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION				
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK				
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION				
4/11/2013	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON				
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL				
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION				
	WILDCAT WELL DETERMINATION	OTHER	OTHER:				
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  On 4/11/13 Ross # 29 spud and drilled 320' of 12 1/4" hole, P/U and run 7 jts of 8 5/8" casing set 313.87'KB. On 4/15/13 cement w/BH w/160 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17 yield.  Returned 9bbls to pit, bump plug to 470psi, BLM and State were notified of spud via email.  Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 29, 2013							
NAME (PLEASE PRINT) Cherei Neilson	<b>PHONE NUMBE</b> 435 646-4883	R TITLE Drilling Techinacian					
SIGNATURE N/A		DATE 4/29/2013					

# Casing / Liner Detail

Well	GMBU Q-14-9-15
Prospect	GMBU
Foreman	
Run Date:	
String Type	Conductor, 14", 36.75#, H-40, W (Welded)

## - Detail From Top To Bottom -

Depth	Length	JTS	Description	OD	ID
16.00			10' KB		
10.00	6.00		Conductor	14.000	13.500
16.00			-		

Cement Detail								
Cement C	Company:							
Slurry # of Sacks		Weight (ppg)	Yield	Volume (ft 3)	Description - Slurry Class and Additives			
Stab-In-Jo	b?				Cement To Surface?			
BHT:			0		Est. Top of Cement:			
Initial Circulation Pressure:		ıre:			Plugs Bumped?			
Initial Circulation Rate:				Pressure Plugs Bumped:				
Final Circulation Pressure:			Floats Holding?					
Final Circulation Rate:				Casing Stuck On / Off Bottom?				
Displacement Fluid:			Casing Reciprocated?					
Displacement Rate:			Casing Rotated?					
Displacement Volume:			CIP:					
Mud Returns:			Casing Wt Prior To Cement:					
Centralizer Type And Placement:			Casing Weight Set On Slips:					



# Casing / Liner Detail

Well	GMBU Q-14-9-15
Prospect	GMBU
Foreman	
Run Date:	
String Type	Surface, 8.625", 24#, J-55, STC (Generic)

## - Detail From Top To Bottom -

Depth	Length	JTS	Description	OD	ID
313.87			10' KB		
10.00	1.42		Wellhead		
11.42	265.35	6	8 5/8 Casing	8.625	
276.77	36.20	1	Shoe Joint	8.625	
312.97	0.90		Guide Shoe		
313.87			-		

					Cement Detail		
Cement C	ompany: [	3J					
Slurry	# of Sacks	Weight (ppg)	Yield	Volume (ft 3)	ft 3) Description - Slurry Class and Additives		
Slurry 1	160	15.8	1.17	187.2	class G+2%kcl+.25#CF		
Stab-In-Jo	b?		No		Cement To Surface?	Yes	
BHT:			0		Est. Top of Cement:	0	
Initial Circu	ulation Pressu	ure:			Plugs Bumped?	Yes	
Initial Circulation Rate:					Pressure Plugs Bumped:	470	
Final Circulation Pressure:				Floats Holding?	No		
Final Circulation Rate:					Casing Stuck On / Off Bottom?	No	
Displacement Fluid:		\	Nater		Casing Reciprocated?	No	
Displacement Rate:					Casing Rotated?	No	
Displacement Volume:			17		CIP:	9:55	
Mud Returns:					Casing Wt Prior To Cement:		
Centralizer Type And Placement:			Casing Weight Set On Slips:				
Middle of f	irst, top of se	cond and third f	for a total	of three.			





	STATE OF UTAH DEPARTMENT OF NATURAL RESOURG			FORM S
ı		EASE DESIGNATION AND SERIAL NUMBER TU-66184		
SUNDR	6. 1	F INDIAN, ALLOTTEE OR TRIBE NAME:		
	oposals to drill new wells, significantly reenter plugged wells, or to drill horizon n for such proposals.		LATION 1.0	INIT or CA AGREEMENT NAME: MBU (GRRV)
1. TYPE OF WELL Oil Well				WELL NAME and NUMBER: MBU Q-14-9-15
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	DMPANY		1.	API NUMBER: 3013515760000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT	, 84052 435 646-482	PHONE NUMBER: 5 Ext		FIELD and POOL or WILDCAT: ONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2061 FSL 1946 FWL				UNTY: JCHESNE
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 14 Township: 09.0S Range: 15.0E Meri	dian: S		ATE: TAH
11. CHECI	K APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE	, REPORT, (	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACT	ION	
	ACIDIZE	ALTER CASING		CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING		CHANGE WELL NAME
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORM	ATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT		NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON		PLUG BACK
SPUD REPORT	✓ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE		RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL		TEMPORARY ABANDON
				WATER DISPOSAL
✓ DRILLING REPORT	L TUBING REPAIR			
Report Date: 5/23/2013	WATER SHUTOFF	SI TA STATUS EXTENSION		APD EXTENSION
	WILDCAT WELL DETERMINATION	OTHER		OTHER:
	completed operations. Clearly show yas placed on production or hours.		:00	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 07, 2013
NAME (PLEASE PRINT) Jennifer Peatross	<b>PHONE NUME</b> 435 646-4885	ER TITLE Production Technic	cian	
SIGNATURE		DATE		
N/A		5/30/2013		

RECEIVED: May. 30, 2013